



**RYUZA
SECURITY**

INVESTMENT IN

CYBERSECURITY RESEARCH



**THREAT
INTELLIGENCE**



**SECURE
SYSTEMS**



**ADVANCED
TECHNOLOGIES**



**IDENTITY & ACCESS
PROTECTION**



**DATA
PROTECTION**



**VULNERABILITY
RESEARCH**

OUR INVESTMENT DRIVES



INNOVATE

Advance cutting-edge
cybersecurity
solutions.



PROTECT

Strengthen defenses
against evolving
cyber threats.



EMPOWER

Support researchers
and build expertise
for the future.



SECURE

Build a resilient digital
world for organizations
and society.



IMPACT

Drive meaningful
change through
research and innovation.

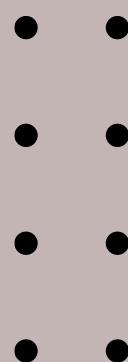




RYUZA LABS

2026

Research Catalog



**Presented by
Sumant Arora**

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RYUZA SECURITY

Our mission is to provide organizations with actionable security intelligence and resilient defence through precision-driven offensive security operations.

About Company

We deliver specialized cybersecurity services driven by continuous research, enabling us to provide deeper assessments, greater accuracy, and more effective security outcomes against evolving cyber threats.

In an era of rapidly evolving **AI-driven cyber threats**, attacks are becoming increasingly sophisticated, adaptive, and difficult to detect. Organizations must continuously strengthen their security posture to stay resilient against emerging attack techniques and evolving adversaries.

FORGED FOR CYBER OPERATIONS

Introduction

Cybersecurity Research is the systematic investigation of software, hardware, networks, and emerging technologies to discover zero-day vulnerabilities, analyse attack methodologies, develop innovative security tools, and advance offensive and defensive security techniques

How is Cybersecurity Research different than Red Teaming & VAPT

- ✓ **Cybersecurity Research** = Inventing new capabilities and discovering the unknown.
- ✓ **VAPT** = Finding and validating security weaknesses that already exist and are known.
- ✓ **Red Teaming** = Acting like a real attacker to test how well an organization can detect and respond.

Cybersecurity Research can discover previously unknown vulnerabilities, develop entirely new attack and defense techniques, and create custom tools and methodologies that do not yet exist.

Capabilities beyond the scope of traditional VAPT and Red Teaming engagements.

Strategic Research Initiative (SRI)

Research program supported through financial investment to address important challenges, develop innovative solutions, and achieve long-term objectives. Funding enables resources, expertise, and analysis needed to generate impactful outcomes in areas such as technology, security, and business development.

Funding Fuels Discovery & Innovation

Case Study : DARPA Cyber Grand Challenge

DARPA funded autonomous cybersecurity research to develop systems that could detect and patch vulnerabilities automatically.

Impact: Advanced AI-driven cyber defense and automated security response.



Research Ownership Models

Research ownership models define how the rights, usage, and benefits of research outputs are distributed between stakeholders such as researchers, sponsors, and organizations. Depending on the agreement, ownership may remain with the researcher, be transferred fully to the funding entity, or be shared between both parties.

Types of Ownership Models

✓ **Researcher-Owned (Investigator-Owned)**

The researcher or institution retains full ownership of the research outcomes, including intellectual property and publication rights.

✓ **Sponsor-Owned (Funder-Owned)**

The funding organization owns the research outputs, data, and IP.

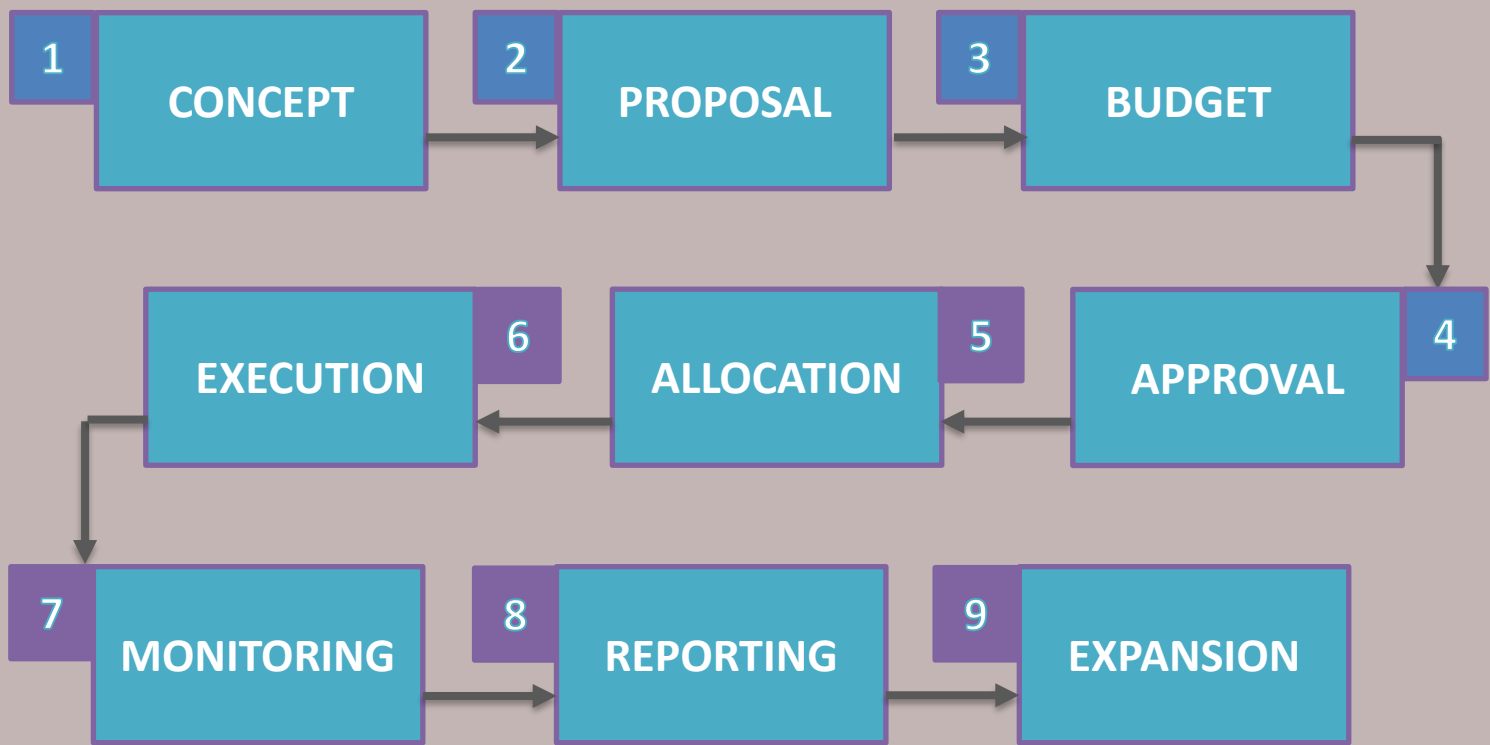
✓ **Joint Ownership**

Ownership is shared between the researcher and the sponsor based on agreed terms.

✓ **Open Access / Public Ownership**

Research outputs are made publicly available with minimal restrictions.

Research Funding Life Cycle



Insights

- [1] Identify the research idea, objectives, scope, and expected outcomes.
- [2] Create a structured proposal outlining methodology, timeline, and value proposition.
- [3] Estimate required funds for manpower, tools, technology, operations, and contingencies.
- [4] Secure support through investors, sponsors, grants, or internal allocation.
- [5] Distribute approved funds across project phases and operational priorities.
- [6] Conduct research activities, analysis, testing, and development.
- [7] Track budget usage, progress milestones, risks, and performance metrics.
- [8] Submit findings, reports, outcomes, and financial summaries.
- [9] Seek renewed or expanded funding for future phases or commercialization.

Research Topic Classification

Based on origin This classification affects how you justify your study—proposed topics need strong justification, while assigned topics focus more on execution.

Proposed Research Topic

We present a defined research topic, detailed funding estimate, and projected return on investment. Execution will commence following approval.

Idea → Proposed Topic → Feasibility → Budget & ROI → Approval → Execution → Results

Allotted Topic

You submit the research topic; we will assess and provide a funding estimate & possibilities. Upon approval, the research will be initiated.

Topic Submission → Assessment → Funding & Feasibility → Approval → Research Execution

We are equipped to pursue research in any of the above areas of interest. For further discussion, please contact us at the email below.
sales@ryuzasecurity.com

Research Sectors We Support

We support a diverse range of research sectors focused on driving innovation, solving real-world challenges, and generating measurable impact. Our approach prioritizes high-value domains.

FACTORS

- ✓ TIME
- ✓ DATA & INPUTS
- ✓ EXPERTISE
- ✓ RESOURCES
- ✓ METHODOLOGY

- ☐ Red Teaming Operations
- ☐ Psychological Operations
- ☐ Zero Days
- ☐ Cybersecurity Tools & Methodologies
- ☐ AI-Assisted VAPT
- ☐ All Cybersecurity Related Researches

Benefits of Funding Cybersecurity Research

- **Economic growth and investor confidence:** Builds trust in digital systems, enabling safer business and innovation.
- **Protection of critical infrastructure:** Secures sectors like healthcare, finance, energy, and government systems.
- **National security strengthening:** Reduces risks from cyber warfare, espionage, and extremist digital activities.

Research Highlights

Shadows Over Kathmandu: CIA Involvement in Regime Change in Nepal (2025) – Dossier

The Report examines the dynamics of regime change operations. This publication has been declassified and is authorized for public release and access.

Research Category : Psychological Operations

Sub Category : Covert Action | Regime Change Operations

Date of Completion : Feb 17, 2026

DOI : [10.13140/RG.2.2.32631.59043](https://doi.org/10.13140/RG.2.2.32631.59043)

Objective : Training resource for Psychological Operations, case study for intelligence officers and geopolitical students.

Significance : This dossier presents a study of alleged CIA involvement in Nepal's regime change, examining available evidence and documented events to develop an evidence-driven conclusion.

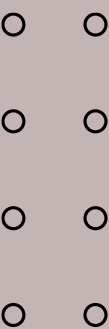
Cyber Operations Framework

THE THEORY OF BEHAVIORAL SHIFT CONTINUUM

This theoretical framework is proposed as a foundation for future research into the planning and conduct of psychological operations.

It aims to provide a structured conceptual model for understanding influence dynamics, strategic communication, and information environments.

The theoretical framework has been **successfully applied in cyber warfare (PSY-OPS)** and is planned for **formal proposal and presentation to the scientific community** in the near future.



Why Cybersecurity Research Matters

Cybersecurity Research drives the discovery of emerging threats, vulnerabilities, and attack techniques before they can be exploited at scale.

It strengthens digital resilience by enabling organizations to develop proactive defenses, advanced security strategies, and future-ready protection systems.

Key Factors to Consider

INDUSTRY RELEVANCE

1

The growing frequency of cyber attacks has made cybersecurity essential for protecting operations, financial assets, customer trust, and **national security**.

2

RISE IN CYBER THREATS

Cybercrime is projected to cost the world nearly **\$10.5 trillion** annually, while organizations now face an average of over **1,200 cyber attacks** per week globally.

Why Cybersecurity Research Matters

OFFENSIVE SECURITY DEMAND

3

Services such as penetration testing, **red teaming**, adversary simulation, and security research are increasingly valued for **strengthening defenses** against evolving cyber threats.

4

AI ATTACK EVOLUTION

A real example occurred in 2024 when cybercriminals used **AI-generated deepfake** audio and video to impersonate company executives leading to major financial losses for targeted organizations

LONG-TERM RESEARCH IMPORTANCE

5

Long-term investment in Cybersecurity Research offers **future ROI** through rising global demand for advanced security solutions & **next-generation cyber capabilities**.

RYUZA LABS

Ryuza Labs is a dedicated division of **Ryuza Security** focused on conducting advanced cybersecurity research and technical security analysis. The division is committed to studying emerging threats, investigating vulnerabilities, analyzing attack techniques, and developing research-driven security methodologies to better understand the evolving cyber landscape.

Through continuous experimentation, intelligence gathering, and in-depth analysis, Ryuza Labs supports the advancement of modern cybersecurity research and innovation.



Our research capabilities encompass both defensive and offensive cybersecurity methodologies.

Connect With Us = <https://www.ryuzasecurity.com>

2026



Sumant Arora

Computer Scientist

I have strong interest in cybersecurity, red teaming and psychological operations. My interests include cybersecurity research, innovation, and developing creative solutions to emerging digital challenges.

Education

Master of Computer Application

2017 | LPU Distance Education Institute

Bachelor of Computer Application

2014 | Guru Nanak Dev University

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MANAGEMENT PROFILE

**Managing Director of
Ryuza Security**

Year - 2026

I am engaged in independent research, driven by a strong passion for security, innovation, and solving complex challenges in the evolving digital landscape.

"Funding a powerful research today builds stronger security for tomorrow."

Certifications

**OSCE | OSCP | OSWP |
Offensive Security**

**eCXD | eCPPTv2 | E learn
Security**

**PSY-OPS | Psychological
Operations**

Social Media

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